

Scenic Drives and Attractions

THE ENTRANCE ROAD

These 8 kilometres (5 miles) provide magnificent views that beautifully illustrate the park’s theme, “where the mountains meet the prairie.”

Colourful prairie flowers and grasses, and the glittering blue chain of the Waterton Lakes are set against a mountain backdrop. The sight of the historic Prince of Wales Hotel National Historic Site, on a knoll above the lakes, indicates you will soon arrive at our lakeside community.

THE CHIEF MOUNTAIN HIGHWAY

The Chief Mountain Highway is the primary route between Waterton Lakes and Glacier national parks. From the border crossing, the road traverses fields and forests, dotted with wetlands created by Crooked Creek and marked by the 1998 Sofa Mountain Fire. It then descends to the grasslands near Maskinonge Lake, passing a viewpoint which gives a magnificent vista of the Front Range of the Rockies and Waterton Valley.

THE RED ROCK PARKWAY

Red Rock Parkway meanders over rolling prairie and through the Blakiston Valley. It ends at the strikingly coloured rocks and cascades of Red Rock Canyon, a distance of 15km (9 miles). The drive features views of magnificent mountains, including Mt. Blakiston, the park’s highest peak.

THE AKAMINA PARKWAY

This route begins near the Townsite and runs for 16km (10 miles) along the Cameron Valley. Points of interest include the site of western Canada’s first producing oil well, the Oil City site, and scenic Cameron Lake.



Prince of Wales Hotel - Photo by David Restivo



Entering the Park - Parks Canada photo

CAMERON FALLS

Located in the community, this picturesque waterfall is created as Cameron Creek falls into Waterton Valley.

THE BISON Paddock

The Bison Paddock, near the north entrance to the park off Highway 6, features a small herd of plains bison, maintained to commemorate the larger herds that once roamed freely in this area. The bison can be seen while driving a narrow road through the paddock. Please do not leave your vehicles. The road is not suitable for vehicles with trailers.

THE MASKINONGE LAKE

The park’s diversity of habitats is home to a great variety of birds; over 250 species have been identified in Waterton. The Maskinonge area, located near the park entrance, is particularly rich in bird life.

WILDLIFE AND WILDFLOWERS

Bears, deer, elk, and bighorn sheep can be seen throughout the park, particularly in prairie areas. Sheep and deer frequent the townsite. Fall is probably the best time for wildlife watching. The larger animals come down from their summer ranges and waterfowl are on their migratory routes through the park.

Wildflowers can be seen in the park at almost any season except winter. In spring and early summer, prairie wildflower displays are particularly rich. In late summer, wildflowers continue to bloom at the higher elevations.

Camping and Hiking

AUTO CAMPING

Waterton’s three campgrounds provide almost 400 campsites.

- The Townsite Campground has 238 sites, including 95 fully-serviced. Fees vary depending on the service provided. Fires permitted in picnic shelter stoves. All sites are reservable. Call 1-877-737-3783 or visit the website address below and follow the links.
- The Crandell Mountain Campground has 129 semi-serviced sites, and is located 6km up the Red Rock Parkway.
- Belly River Campground, located on the Chief Mountain Highway, has 24 unserviced sites. Reservations can be made in advance for the group sites at Belly River. Call (403) 859-2224 for information.

BACKCOUNTRY CAMPING

An overnight wilderness pass is mandatory and available from the Visitor Reception Centre. A per-person fee is charged for those 16 years and older. Passes are issued up to 24 hours in advance on a first-come, first-served basis. Some wilderness sites will be available through advance reservations, according to established guidelines. Call (403) 859-5133. A quota system for wilderness campground use and group size is applied to minimize impact on the land, and maximize your wilderness experience. Waterton’s nine designated wilderness campgrounds offer dry toilets and surface water supply. Some have facilities for horses.

HIKING THE TRAILS

There are 200km (120 miles) of trails in Waterton Lakes National Park. They range in difficulty from a short stroll to steep treks of several days duration. Trails are provided for a variety of users, including hikers, horse riders, and bicyclists. Watch for information signs at the trail head for the type of use permitted. Trails in Waterton also lead to extensive trail systems in Montana’s Glacier National Park and in British Columbia’s Akamina-Kishenina Provincial Park.



Carthew-Alderson Trail - Parks Canada photo



Bighorn Sheep - Parks Canada photo

Park Regulations

- Leave rocks, fossils, horns, antlers, wildflowers, nests, and other natural and historic objects undisturbed so that others may discover and enjoy them. Removal of such objects is subject to fines.
- It is unlawful to feed, entice, or touch park wildlife.
 - Pets must remain on a leash at all times while in the park. Pets, on a leash, are allowed on trails in Waterton Lakes National Park.
 - Camping is permitted only in designated areas, as marked by signs.
 - Collection of dead or downed wood is not allowed.
 - A national park fishing permit is required in Canada’s national parks.
-
- Motorcyclists must wear a helmet.

Waterton Lakes National Park Services and Activities

Lodging

The Aspen Village Inn 1-(888) 859-8669
• Bayshore Inn & Convention Centre (403) 859-2211 • Bear Mountain Motel (403) 859-2366
• Crandell Mountain Lodge (403) 859-2288
• Northland Lodge (403) 859-2353, off-season (403) 653-4275 • Prince of Wales Hotel - in Canada phone (403) 236-3400; in U.S. (406) 892-2525 • Waterton Glacier Suites (403) 859-2004
• The Waterton Lakes Resort (403) 859-2150 or 1-(888) 985-6343

Private Campgrounds

- Crooked Creek Campground (403) 653-1100
- Great Canadian Barn Dance (403) 626-3407
- Payne Lake Campground (1-888-653-2522)
- Waterton Springs Campground (403) 859-2247

Other Services Include:

- Clothing and gift shops, bookstores, movie rentals, liquor stores • a variety of cafes, restaurants, lounges and dining rooms • sporting supplies and hardware • service station • boat tours, bike and boat rentals • hiking tours, a horse riding facility • four churches • cash machines • art galleries • a movie theatre, health and recreation centre, 18-hole golf course, tennis court, ball diamond and playgrounds.

For Additional Information

the Waterton Lakes Visitor Centre
Waterton Lakes National Park
Box 200
Waterton Park, Alberta T0K 2M0
Phone (403) 859-5133

or visit Waterton Lakes National Park online at:
www.pc.gc.ca/waterton

Glacier Association



The Glacier Association is a nonprofit 501c3 cooperating association of the National Park Service and a officially recognized Park Partner of Glacier National Park. Glacier Association helps to support the park’s educational, interpretive, cultural and scientific programming needs with aid generated by sales at bookstores in visitor centers and ranger

stations throughout the Park, as well as sales from its internet bookstore. The Glacier Association offers a variety of educational materials including books, guides, maps, and DVD’s which promotes a better understanding of the park’s diversity of landscapes, animal and plant life, culture, and history. Our annual membership program offers a variety of categories which feature a 15% discount on merchan-

dise at all Glacier Association locations and at other cooperating associations throughout the country. **Glacier Association**
PO Box 310
West Glacier, MT 59936
406-888-5756
gnha@glacierassociation.org
Visit the Association Bookstore at:
www.glacierassociation.org



Glacier Association headquarters at the historic train depot in West Glacier, MT - NPS Photo

Suggested Guides & Maps to Glacier National Park

Hikers Package..... \$22.95*
A \$29.00 Value. 20% Savings!
The Hikers Guide gives you Glacier National Park trail dynamics, like distance and difficulty, while providing trail head descriptions and location maps. The Trails Illustrated Topo map is a detailed layout of all the trail systems in Glacier and Waterton Lakes National Parks. The Glacier Nature Guide will help you once you get there to identify what you see along your way. A great starter package!!!
Backcountry Users Package..... \$36.95*
A \$48.00 value! Includes: Hiking Glacier and Waterton Lakes National Parks, Trails Illustrated Topo Map, Bear Aware, New Wilderness First Aid - 3rd Edition, and the Glacier Nature Guide.
Travelers Package \$41.95*
A \$52.00 value. Everything you need to prepare yourself for the splendor of Glacier National Park. Includes: GLACIER-The Story Behind the Scenery, GLACIER-The Continuing Story, Glacier National Park: A Natural History Guide, Glacier Nature Guide, and Logan Pass: Alpine Splendor.

***Shipping is additional, please contact the Glacier Association for pricing. All titles in these packages are available individually.**



Apgar Visitor Center Bookstore - Photos by David Restivo



Students at Grinnell Glacier Overlook just off the Highline Trail - Photo by Glacier Institute

Glacier Institute

Our classrooms are the mountain trails and vast river basins that are home to more than 1,200 species of native plants, 240 species of birds and 65 species of native mammals. Our instructors are recognized experts in their fields, published authors, wildlife biologists, college professors, naturalists and teachers. We host one, two and three-day outdoor workshops and youth camps that immerse our participants in this stunning and stimulating environment. Kids can join a Glacier Institute naturalist for a hands-on, six hour *Youth Adventure Series* course, full of fun and discovery while adults can enjoy a day on their own. Programs are \$50.00 per child. Add a second or third program, for the same child, at \$45.00 per additional program. Please join us for a learning adventure you will never forget.

The Glacier Institute, P.O.Box 1887, Kalispell, MT 59903
Phone: 406-755-1211 • Fax: 406-755-7154 • Email: register@glacierinstitute.org • Website: www.glacierinstitute.org
Blog: http://theglacierinstitute.blogspot.com/ • Follow us on Facebook at: The Glacier Institute

Popular one-day summer courses*		
June 3-5	Bears in Many Glacier	\$325.00
June 10	Spring Wildflowers	\$65.00
June 16	Glacier’s Birds of Prey: West Side	\$65.00
June 17	Glacier’s Birds of Prey: East Side	\$75.00
June 18-19	The Uncommon Loon	\$170.00
June 20	Wild Medicinal Herbs	\$70.00
June 20	Wolves of the North Fork	\$65.00
June 22-23	Landscapes in Watercolor	\$170.00
June 23	Glacier through a Naturalist’s Eyes	\$75.00
June 24-25	Journey with Ralph: Glacier’s Naturalist	\$200.00
June 27	North Fork River Ecology by Raft	\$425.00
June 29	Railroad History	\$100.00
July 6	Railroad History	\$100.00
July 7	Middle Fork River Ecology	\$150.00
July 8	Grizzlies and Black Bears	\$75.00
July 9-10	Glacier’s Grizzlies	\$230.00
July 13	Nature Photography in Glacier	\$200.00
July 15	Family Nature Photography	\$65.00
July 16	Beavers: Best Dam Habitat Builders	\$65.00
July 16	Glaciers and Glacial Geology	\$65.00
July 20-23	Photography in Glacier Country	\$400.00
July 27	Glaciers and Glacial Geology	\$65.00
July 31	Wildflower Wanderings at Logan Pass	\$65.00
August 8-9	Melting Glaciers and Climate Change	\$170.00
August 10	Railroad History	\$100.00
August 13	Geology Along the Highline	\$65.00
August 27-28	Edible Plants	\$170.00
Sept. 1	Goats of Glacier	\$75.00
Sept. 11	Geology Along the Highline	\$65.00
Sept. 24	Autumn in Glacier: A Season of Change	\$65.00
Sept. 24-25	Fall Mushroom Foray	\$170.00
Oct. 1-2	Ecology of Elk	\$170.00

Just for Kids: Youth Adventure Series*		
June 24 & July 22	Wilderness Skills	\$50.00
July 1 & July 29	Predators & Prey	\$50.00
July 8 & August 12	Fire in the Forest	\$50.00

*This is a sample of the courses we offer. Please check our web-site for a complete course calendar. www.glacierinstitute.org

Discover

Experience

Research

Glacier National Park Fund

Glacier's official fund-raising partner

- Check out our donation boxes in the Park's Visitor Centers
- Drop by our office at 402 9th Street West in Columbia Falls
- Or donate on-line at www.glaciernationalparkfund.org

Glacier National Park Associates

WHO WE ARE
 The Glacier National Park Associates (GNPA) is an all-volunteer, nonprofit organization that assists with trail work, historic log structure preservation and other projects that the park does not have adequate funding to complete. Volunteers complete a number of major projects yearly, often involving several days in the backcountry.



NPS Photo

WHAT WE DO
 The Associates manage a Backcountry Ranger Intern Fund and sponsor a young backcountry ranger intern who works for 12 weeks in the park's backcountry.

The Associates also manage a Backcountry Preservation Fund. Contributions from backcountry users purchase supplies and materials ranging from bear-proof boxes to computer programs related to hiking and camping in the backcountry.

Each spring we sponsor a Volunteer Day in Glacier Park. We clear trails, paint, peel logs for historic building restoration, and transplant seedlings in the nursery. This year's projects included helping to clear various trails, working in the park's Native Plant Nursery, planting trees, shrubs, and wildflowers from the nursery in disturbed areas of the park and helping refurbish buildings near the park headquarters.

GNPA funds two internships with the Glacier National Park Native Plant Nursery. Each year a stipend is provided for a high school student from Columbia Falls and Browning for work in the nursery.

GNPA projects do not conclude at the end of summer. On the fourth Monday of January, February, and March, GNPA members sponsor a speaker series. These free presentations by biologists, geologists, historians help us be more informed of the past, present and future of beautiful Glacier National Park.



Glacier National Park Trail Work - NPS Photo

JOIN US!
 Become a member and help us support Glacier National Park. You can contact the Glacier National Park Associates at:
Glacier National Park Associates
P. O. Box 91, Kalispell, MT 59903
406-250-4745




Volunteering in the Nursery - Photo by Joyce Lapp



Backcountry Cabin - Photo by David Restivo



Glacier National Park Trail Work - NPS Photo

Services and Facilities				Glacier National Park U.S. Department of the Interior	
Apgar	Lodging	Village Inn Motel Apgar Village Lodge	May 27 - Sept. 19 May 27 - Sept.	Call 406-892-2525 for advance reservations or 406-888-5632 for same day reservations Call 406-888-5484 for reservations	
	Food Service	Eddie's Restaurant	May 28 - Sept.	Breakfast, lunch, and dinner	
	Campstore/Gift Shops	Eddie's Campstore The Cedar Tree Schoolhouse Gifts Montana House	May 7 - Sept. May 27 - late-Sept. mid-May - mid-Oct. Open all year		
	Horseback Rides	Apgar Corral	May 28 - Sept. 5	Call 406-888-5010 for schedule and information	
	Boat Rentals	Glacier Park Boat Co.	June 4 - Sept. 5	Rowboats, canoes, single and double kayaks, and 8hp &10hp motorboats	
Lake McDonald	Lodging	Lake McDonald Lodge	May 21 - Sept. 29	Call 406-892-2525 for advance reservations or 406-888-5431 for same day reservations	
	Food Service	Russell's Fireside Dining Room	May 21 - Sept. 28	Lake McDonald Lodge - breakfast, lunch, and dinner	
		Jammer Joe's Grill & Pizzaria	June 24 - Sept. 5	Lunch and dinner	
		Stockade Lounge	May 21 - Sept. 28	Lake McDonald Lodge - 11:30am to midnight	
	Campstore/Gift Shops	Lodge Campstore Lodge Gift Shop	May 21 - Sept. 28 May 21 - Sept. 28	Groceries, fishing and camping supplies, firewood, and gifts Lake McDonald Lodge	
	Scenic Boat Tours	Glacier Park Boat Co.	May 21 - Sept. 24	Narrated tours of Lake McDonald - 1 hour cruise at 11:00am, 1:30pm, 3:00pm, and 7:00pm. Beginning July 1 an additional 5:30pm cruise will be offered. 11:00am and 7:00pm cruises end Labor Day. Boat Rentals from 10:00am to 7:00pm - rowboats and 8hp motorboats. After Labor Day boat rentals from 12:00pm to 5:30pm. Call 406-257-2426 for details.	
	Horseback Rides	Lake McDonald Corral	May 28 - Sept. 19	Call 406-888-5121 for schedule and information	
Many Glacier	Lodging	Many Glacier Hotel Swiftcurrent Motor Inn	June 17 - Sept. 12 June 10 - Sept. 25	Call 406-892-2525 for advance reservations or 406-732-4411 for same day reservations Call 406-892-2525 for advance reservations or 406-732-5531 for same day reservations	
	Food Service	Ptarmigan Dining Room	June 17 - Sept. 11	Many Glacier Hotel - breakfast, lunch, and dinner	
		Swiss Lounge Italian Garden Ristorante	June 17 - Sept. 11 June 10 - Sept. 24	Many Glacier Hotel - 11:30am to midnight Swiftcurrent Motor Inn - Breakfast, lunch, and dinner	
	Campstore/Gift Shops	Swiftcurrent Campstore Hotel Gift Shop	June 10 - Sept. 24 June 17 - Sept. 11	Groceries, fishing and camping supplies, firewood, and gifts Many Glacier Hotel	
	Scenic Boat Tours & Boat Rentals	Glacier Park Boat Co.	June 17 - Sept. 12	Narrated tours of Swiftcurrent and Josephine Lakes - 1 hour and 30 minute cruises at 9:00am, 11:00am, 2:00pm, and 4:30pm - July and August additional 1:00pm and 3:00pm cruise - Guided walk to Grinnell Lake available on the 9:00am and 2:00pm cruise. Snow conditions permitting, a cruise and guided hike to Grinnell Glacier is offered at 8:30am. Boat rentals from 8:30am to 8:00pm - rowboats, canoes, and kayaks. Call 406-257-2426 for details.	
	Horseback Rides	Many Glacier Corral	late-June - Sept. 12	Opening date will be dependent on weather and trail conditions. Call 406-732-4203 for schedule and information.	
	Laundry and Showers	Swiftcurrent Motor Inn	June 10 - Sept. 24	Purchase tokens at the campstore or front desk	
Rising Sun	Lodging	Rising Sun Motor Inn	June 19 - Sept. 19	Call 406-892-2525 for advance reservations or 406-732-5523 for same day reservations	
	Food Service	Two Dog Flats Grill	June 19 - Sept. 18	Breakfast, lunch, and dinner	
	Campstore/Gift Shops	Rising Sun Motor Inn	June 19 - Sept. 18	Groceries, fishing and camping supplies, firewood, and gifts	
	Scenic Boat Tours	Glacier Park Boat Co.	June 19 - Sept. 5	Narrated tours of St. Mary Lake - 1 hour and 30 minute cruises at 10:00am, 12:00pm, 2:00pm, 4:00pm, and a 1 hour cruise at 6:30pm. Optional guided walk to St. Mary Falls available on the 10:00am and 2:00pm cruises. Call 406-257-2426 for details.	
	Showers	Rising Sun Motor Inn	June 19 - Sept. 18	Purchase tokens at the campstore or front desk	
Two Medicine	Campstore/Gift Shops	Two Medicine Campstore	May 27 - Sept. 5	Gifts, self-serve convenience food, groceries, fishing tackle, camping supplies, and firewood	
	Scenic Boat Tours	Glacier Park Boat Co.	June 10 - Sept. 12	Narrated tours of Two Medicine Lake - 45 minute cruises at 10:30am, 1:00pm, 3:00pm, and 5:00pm. Starting July 1 additional tour at 9:00am - Optional guided walks to Twin Falls available on the 1:00pm and 3:00pm cruises - Call 406-257-2426 for details.	
	Boat Rentals	Glacier Park Boat Co.	June 10 - Sept. 12	8:00am to 8:00pm - rowboats, canoes, kayaks, and boats with electric motors	
Other Services	Backcountry Lodging <i>(only accessible by trail - reservations are required)</i>	Belton Chalets, Inc. •Granite Park Chalet •Sperry Chalet	June 28 - Sept. 10 July 8 - Sept. 11	Granite Park Chalet provides rustic accommodations that include rooms, beds, and a common kitchen. Guests provide their own sleeping bag, water, food, and cooking utensils. Optional bed linen service is available. Sperry Chalet offers full service rustic overnight accommodations and full meal service, in a wilderness setting. For reservations at either Granite Park or Sperry Chalets, call 1-888-345-2649. You may also visit their websites at www.graniteparkchalet.com and www.sperrychalet.com .	
	Backpacking & Hiking	Glacier Guides, Inc.	May - Oct.	Guided day hikes and backpacking trips into Glacier's backcountry for one to seven days - custom guide service trips available - Camping equipment available for rent at their West Glacier office Call 406-387-5555 or 800-521-RAFT for reservations and information - http://www.glacierguides.com	
	Bus Tours	Sun Tours	May 15 - Oct. 15	Interpretive tours highlighting Blackfeet culture and history relating to Glacier National Park's natural features. Tours begin from East Glacier, St. Mary, Rising Sun, and West Glacier. Call 1-800-786-9220 or 406-226-9220 for reservations and information	
		Glacier Park, Inc.	May 21 - Sept. 29	Red Bus tours between park lodges as well as Two Medicine, East Glacier, West Glacier, Waterton, and St. Mary Call 406-892-2525 for reservations and schedule information	
	Shuttle Service	Glacier Park, Inc., East Side Shuttle Hiker Shuttle	June 3 - Sept. 25 July 1 - Sept. 2	Daily shuttle service between the Prince of Wales Hotel in Waterton Lakes National Park in Canada and Many Glacier, St. Mary, Cut Bank Junction, Two Medicine, and East Glacier. The hiker shuttle between Many Glacier and St. Mary connects to the free Going-to-the-Sun Road shuttle at the St. Mary Visitor Center. <i>The Glacier Park Inc. shuttles are a fee based system, assisting visitors on the east side of the park in connecting with the free Going-to-the-Sun Road Shuttle and with other east side destinations.</i>	
	Cash Machines			Automatic Teller Machines (ATMs) are available at Apgar, Lake McDonald Lodge, Many Glacier (hotel and motor inn), St. Mary, East Glacier, Rising Sun, and West Glacier	

Glacier and Waterton Take a Closer Look at Bats

Imagine studying animals that only fly at night, roost alone or in small groups during the day, and make sounds that are inaudible to the human ear. Then imagine doing this in Glacier National Park and you realize the exciting challenge facing wildlife personnel. Starting in July 2011, park personnel will begin an intensive two-year study to learn about bats. Supported by the Glacier National Park Fund, and in cooperation with Waterton Lakes National Park, Canada, wildlife staff will work with a renowned Canadian bat biologist to learn bat inventory and monitoring techniques—including daytime searches of buildings and bridges, deployment of acoustic recording devices, and mist-netting—to determine which species are in Glacier.

In Waterton-Glacier International Peace Park, our knowledge about bats is limited because no formal studies have been conducted. The immediate goal of this study will be to find out which bat species reside in Waterton and Glacier, which habitats they use, and what the

environmental conditions are in these areas. Glacier could potentially be home to 12 different bat species, six of which are either species of concern or potential species of concern in the state of Montana. The long-term goal will be to train park personnel so that long-term monitoring of bats and their habitats can continue. This will help biologists better understand possible impacts to bats from potential threats and allow for better management of the areas they use in the park and on surrounding federal lands.

Why does this matter? A new disease is killing bats in eastern North America, and a cold-loving fungus appears to be the culprit. The disease is called white-nose syndrome (WNS) because of the white fungus *Geomyces destructans* found growing on affected bats. Since its discovery in New York in 2006, WNS has caused the death of over 1 million bats. It has now spread to 17 states and 3 Canadian provinces, and biologists are nearly certain that it will eventually make its way out west.

Biologists do not yet know exactly how WNS kills bats. Bats that have been affected by WNS wake up from hibernation more frequently than normal; causing them to use more energy and deplete the fat reserves they need to survive winter. In the east, infected bats have been seen flying around in winter, when food is scarce or non-existent. These bats are either

starving or freezing to death, or both. Humans are not directly affected by white-nose syndrome, but there are things we can do to help control its spread and preserve North American bat populations. In particular, people are encouraged to clean off their clothing and shoes after visiting caves and mines in the eastern U.S. to help prevent the possibility of transfer.



Little brown bat; close-up of nose with fungus, New York, Oct. 2008
Photo courtesy Ryan von Linden/New York Department of Environmental Conservation

What's Going on in the Park's Forests?

If you've been driving, walking or biking in the park, you've probably noticed large clusters of red-needled trees. The reddish-brown trees are alarming to see, and many wonder why these pillars of the forest are dying. The culprit is severe insect and disease outbreaks. Bark beetles, defoliators and root diseases are pests currently affecting Montana forests at outbreak levels. Throughout Waterton-Glacier numerous species of forest pests have singularly or in combination killed or defoliated thousands of acres.

Most forest insects, like bark beetles, are natural parts of the forest ecosystem. Infestations have occurred throughout the history of western forests, with insect activity occurring even in healthy forests. As a result of drought stress brought on by lower snowpack, less rainfall, and warmer temperatures, bark beetle populations have been increasing in recent years throughout forested areas of western U.S and Canada. Principal species include: mountain pine beetle, spruce beetle, Douglas-fir beetle, western pine beetle, fir engraver, western balsam bark beetle, and pine engraver, all native species. Another prominent insect, western spruce budworm, is a defoliator, which can eventually kill a tree. You can see evidence of the spruce budworm along the Going-to-the-Sun Road from Rising Sun to Siyeh Bend.

Insects such as bark beetles usually kill trees quickly, while others such as spruce budworms injure and weaken trees, increasing their susceptibility to other insects and diseases, and reducing their ability to withstand stresses such as drought.

Forest pathogens like Armillaria root disease can cause patches of trees to die, creating natural forest openings and diversity in habitat for forest species. This is managed in campgrounds by removing trees susceptible to failure and planting tree species that tend to be more disease resistant.

Others, like white pine blister rust, are exotic, meaning that they originated outside the U.S. and were accidentally transported here. Because native species did not evolve in the presence of this pathogen, their normal defenses are often insufficient to ward off the new fungus. A number of pine species are susceptible to white pine blister rust, including whitebark pines, whose seeds are an important food source for many animals including grizzly bears and Clark's nutcrackers. The impacts of blister rust infestation thus are not limited just to the pines, but ripple throughout the ecosystem. You can see numerous bleached trunks of dead white-bark pine in many forests just below treeline.

What can be done? Protection of individual, high-value trees can be accomplished with pheromone treatments. Glacier National Park is currently using an anti-aggregation pheromone (MCH) to protect high-value Douglas fir trees. MCH is a chemical used by Douglas fir beetle to communicate. This pheromone tells dispersing adult beetles that a tree is fully occupied and to look elsewhere for another host tree. Waterton Lakes National Park is protecting valuable white bark pine from mountain pine beetle attack using a repellent pheromone Verbenone. It is the hope that high value trees can be protected from current insect outbreaks.

The "red tree phenomenon" will continue as long as the insect and disease outbreaks persist. It is important to remember that most of these outbreaks are caused by native insects and diseases and are part of the natural ecosystem. Other outside stressors, such as prolonged drought, make trees more susceptible to attack by insects and diseases. With rising temperatures and less precipitation at opportune times, the chances of seeing red trees in the forest will continue.



Insect damaged trees - NPS photo

Waterton's New Native Plant Demonstration Garden

In Waterton, native plants paint our landscape; they are home to insects, birds and small critters and are able to flourish in our harsh environment. As you approach the more protected townsite however, you can see that

the native plants and their subsequent environments have been modified. There is turf where fescue prairie grass once bunched, and introduced ornamental plants in gardens where lupine and arnica once thrived.

In hopes of promoting an alternative to planting ornamentals, and eliminating barriers to planting native gardens, Waterton Park is excited to establish the Falls Theatre Demonstration Garden.

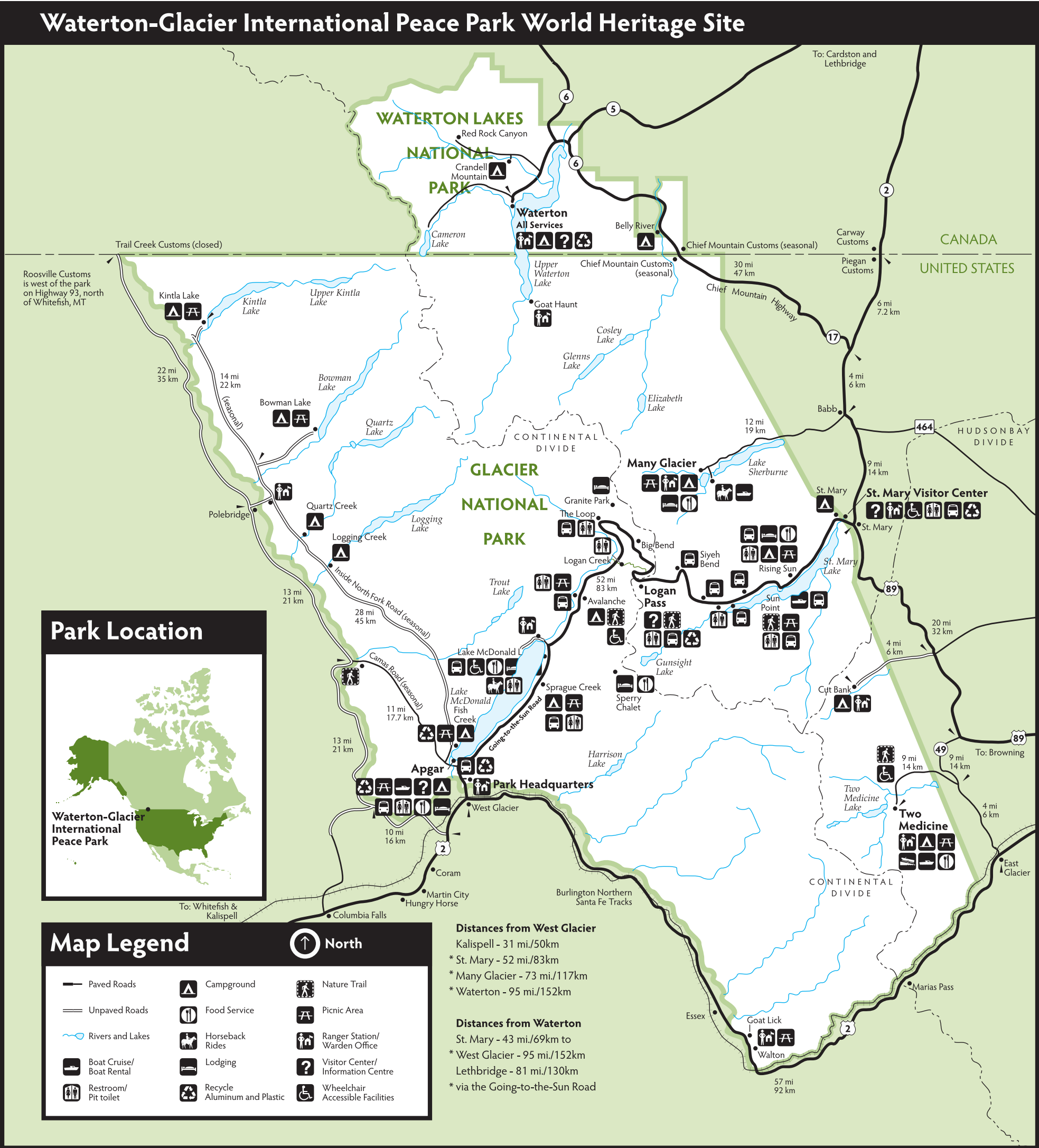
More than 10 grasses, 30 wildflower varieties, and 5 shrub species will be planted in the garden. Some plants will be provided by Glacier National Park. This illustrates our continued and long standing partnership with Glacier, a relationship that grows with every seed we harvest together. Since 2002 Waterton and Glacier park staff have collected seeds together throughout the International Peace Park. Collected seeds are sown and grown in Glacier National Park's Native Plant Nursery

and some of these will be planted in the new Demonstration Garden.

The earliest stages of the Demonstration Garden will see temporary fencing, barren soil, and sporadic plant communities, but underneath the soil native grass seeds will be germinating and native plants will begin to establish under the protection of their fences. You can follow the garden's progress as it grows and develops. Notice how it reflects the natural landscape, stands tough against herbivores and survives against drought conditions. Visit the Falls Theatre Demonstration Garden at the Falls Theatre, along the path way from Cameron Falls in the Waterton Townsite.



Artists' rendition of the Falls Theatre Demonstration Garden - Parks Canada Graphic



Crossing the Border?

All travelers crossing the border must present documents that are *Western Hemisphere Travel Initiative (WHTI)* compliant. Those documents include:

- U.S. Citizens must present a U.S. Passport, Enhanced Drivers License*, U.S. Passport Card, or NEXUS Card
- U.S. Resident Aliens must present a U.S. Resident Alien Card
- Canadian citizen must present a Canadian Passport, Enhanced Drivers License*, or NEXUS Card
- Citizens from countries other than Canada or the United States must present a valid passport and a current I-94 or an I-94W. I-94 forms are available at the Port of Entry for \$6.00 U.S. currency and all major credit cards are accepted. Canadian currency is not accepted.

* For a list of States and Provinces who currently issue Enhanced Drivers Licenses, please visit www.getyouhome.gov/html/EDL_map.html

Special restrictions apply when crossing the border with pets, defensive sprays, alcohol, firewood, and purchases. All firearms must be declared. For more information on crossing from the USA to Canada, call 1-800-320-0063; and if crossing from Canada to the USA, call 1-406-889-3865.

Border Crossing Dates and Times

Roosville.....open 24 hours	Piegan/Carway.....7 a.m. to 11p.m.
west of the park on Highway 93, north of Whitefish, MT and south of Fernie, B.C.	east of the park at the joining of U.S. Highway 89 with Alberta Highway 2

Travel To, From, and Through Goat Haunt

Travel between Waterton Lakes National Park, Canada and the Goat Haunt Ranger Station, either by boat or by foot on the Waterton Lake Trail, will require an official government issued photo identification card for U.S. or Canadian citizens or permanent residents. All others must carry a valid passport.

Persons seeking to travel beyond the Goat Haunt Ranger Station into the United States must present documents that are *Western Hemisphere Travel Initiative* compliant.

The Goat Haunt Port of Entry will operate between 10:30 a.m., and 5:00 p.m. No entry into the United States past the Goat Haunt Ranger Station will be authorized outside of the port’s hours of operation. Hikers traveling northbound into Canada from the United States are required to contact the Chief Mountain Port of Entry upon their arrival at the Waterton townsite. Information on contacting the Port of Entry is available at the Waterton Lakes Visitor Centre or the Waterton Station of the Royal Canadian Mounted Police.

Chief Mountain		
5/15 to 5/31	9:00 a.m. to 6:00 p.m.	9/6 to 9/30..... 9:00 a.m. to 6:00 p.m.
6/1 to 9/5	7:00 a.m. to 10:00 p.m.	October 1.....closed for season